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      *      20      *      40      *      6
ANH0024A : MTAPEKFPVKQEEMAALDVDSGGGGGGGGGGHGEYLQQQQQHNGNAVAAAAAQQDTQPSPL : 59
ANH0024B : MTAPEKFPVKQEEMAALDVDSGGGGGGGGGGHGEYLQQQQQHNGNAVAAAAAQ----- : 52
ANH0024D : -----LPAFGANAPTPPAPFRLRLPPFCARDTQPSPL : 33
ANH0024C : ----- : -
X68560 : ----- : -

      0      *      80      *      100      *      1
ANH0024A : ALLAATCSKIGPPSPGDDEEEAAAAAGAPAAAGATGDLASAOIGGAPNRWEVISAPEPI : 118
ANH0024B : -----TGDFAAOIGGAPNRWEVISAPEPI : 77
ANH0024D : ALLAATCSKIGPPSPGDDEEEAAAAAGAPAAAGATGDLASAOIGGAPNRWEVISAPEPI : 92
ANH0024C : ----- : -
X68560 : ----- : -

      20      *      140      *      160      *
ANH0024A : IKDEAGNIVQIFPSAATSSGOAVIPLPONTNOCIFSVAPGSDSSNGAVSSVOYOVTPQIQ : 177
ANH0024B : IKDEAGNIVQIFPSAATSSGOAVIPLPONTNOCIFSVAPGSDSSNGAVSSVOYOVTPQIQ : 136
ANH0024D : IKDEAGNIVQIFPSAATSSGOAVIPLPONTNOCIFSVAPGSDSSNGAVSSVOYOVTPQIQ : 151
ANH0024C : ----- : -
X68560 : ----- : -

      180      *      200      *      220      *
ANH0024A : SADGOOVQIGFTGSSDNGGAINOESSOIQIFPGSNOTHLSGTPSANTONLTPOTGOVOY : 236
ANH0024B : SADGOOVQIGFTGSSDNGGAINOESSOIQIFPGSNOTHLSGTPSANTONLTPOTGOVOY : 195
ANH0024D : SADGOOVQIGFTGSSDNGGAINOESSOIQIFPGSNOTHLSGTPSANTONLTPOTGOVOY : 210
ANH0024C : ----- : -
X68560 : ----- : -

      240      *      260      *      280      *
ANH0024A : OGVAIGGSSEFGOTQVAVNPVPLGLPGNITEVPINSVDLSLGLSGSSOIMTAGINADGH : 295
ANH0024B : OGVAIGGSSEFGOTQVAVNPVPLGLPGNITEVPINSVDLSLGLSGSSOIMTAGINADGH : 254
ANH0024D : OGVAIGGSSEFGOTQVAVNPVPLGLPGNITEVPINSVDLSLGLSGSSOIMTAGINADGH : 269
ANH0024C : -----MTAGINADGH : 10
X68560 : -----MTAGINADGH : 10

      300      *      320      *      340      *
ANH0024A : LINTGQAMDSSDNSERTGERVSPDINETNTDITDLFVPTSSSSQLPVTIDSTGILQONTN : 354
ANH0024B : LINTGQAMDSSDNSERTGERVSPDINETNTDITDLFVPTSSSSQLPVTIDSTGILQONTN : 313
ANH0024D : LINTGQAMDSSDNSERTGERVSPDINETNTDITDLFVPTSSSSQLPVTIDSTGILQONTN : 328
ANH0024C : LINTGQAMDSSDNSERTGERVSPDINETNTDITDLFVPTSSSSQLPVTIDSTGILQONTN : 69
X68560 : LINTGQAMDSSDNSERTGERVSPDINETNTDITDLFVPTSSSSQLPVTIDSTGILQONTN : 69

      360      *      380      *      400      *
ANH0024A : SLTTSSGOVHSSDLQGNIIQSPVSEETQAQNIQVSTAQPVVQHLQLOESQQPTSQAQIV : 413
ANH0024B : SLTTSSGOVHSSDLQGNIIQSPVSEETQAQNIQVSTAQPVVQHLQLOESQQPTSQAQIV : 372
ANH0024D : SLTTSSGOVHSSDLQGNIIQSPVSEETQAQNIQVSTAQPVVQHLQLOESQQPTSQAQIV : 387
ANH0024C : SLTTSSGOVHSSDLQGNIIQSPVSEETQAQNIQVSTAQPVVQHLQLOESQQPTSQAQIV : 128
X68560 : SLTTSSGOVHSSDLQGNIIQSPVSEETQAQNIQVSTAQPVVQHLQLOESQQPTSQAQIV : 128

      420      *      440      *      460      *
ANH0024A : QGITPQTIHGVOASGQNISQQALQNLQQLNPGTFLIQAOQVTPSGQVTVQTFQVQGVQ : 472
ANH0024B : QGITPQTIHGVOASGQNISQQALQNLQQLNPGTFLIQAOQVTPSGQVTVQTFQVQGVQ : 431
ANH0024D : QGITPQTIHGVOASGQNISQQALQNLQQLNPGTFLIQAOQVTPSGQVTVQTFQVQGVQ : 446
ANH0024C : QGITPQTIHGVOASGQNISQQALQNLQQLNPGTFLIQAOQVTPSGQVTVQTFQVQGVQ : 187
X68560 : QGITPQTIHGVOASGQNISQQALQNLQQLNPGTFLIQAOQVTPSGQVTVQTFQVQGVQ : 187

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FIG. 2A

	480	*	500	*	520	*	
ANH0024A :	NLQNLQIQNTAAQQITLTPVQTLTLGQVAAGGAFTSTPVSLSTGQLPNLQTVTVNSIDS						: 531
ANH0024B :	NLQNLQIQNTAAQQITLTPVQTLTLGQVAAGGAFTSTPVSLSTGQLPNLQTVTVNSIDS						: 490
ANH0024D :	NLQNLQIQNTAAQQITLTPVQTLTLGQVAAGGAFTSTPVSLSTGQLPNLQTVTVNSIDS						: 505
ANH0024C :	NLQNLQIQNTAAQQITLTPVQTLTLGQVAAGGAFTSTPVSLSTGQLPNLQTVTVNSIDS						: 246
X68560 :	NLQNLQIQNTAAQQITLTPVQTLTLGQVAAGGAFTSTPVSLSTGQLPNLQTVTVNSIDS						: 246

	540	*	560	*	580	*	
ANH0024A :	AGIQLHPGENADSPADIRIKEEEPDPPEEWQLSGDSTLNTNDLTHLRVQVVDEEGDQQHQ						: 590
ANH0024B :	AGIQLHPGENADSPADIRIKEEEPDPPEEWQLSGDSTLNTNDLTHLRVQVVDEEGDQQHQ						: 549
ANH0024D :	AGIQLHPGENADSPADIRIKEEEPDPPEEWQLSGDSTLNTNDLTHLRVQVVDEEGDQQHQ						: 564
ANH0024C :	AGIQLHPGENADSPADIRIKEEEPDPPEEWQLSGDSTLNTNDLTHLRVQVVDEEGDQQHQ						: 305
X68560 :	AGIQLHPGENADSPADIRIKEEEPDPPEEWQLSGDSTLNTNDLTHLRVQVVDEEGDQQHQ						: 305

	600	*	620	*	640	
ANH0024A :	EGKRLRRVACTCPNCKEGGGRGTNLGKKKQHICHIPGCGKVYGKTSHLRAHLRWHSGER					: 649
ANH0024B :	EGKRLRRVACTCPNCKEGGGRGTNLGKKKQHICHIPGCGKVYGKTSHLRAHLRWHSGER					: 608
ANH0024D :	EGKRLRRVACTCPNCKEGGGRGTNLGKKKQHICHIPGCGKVYGKTSHLRAHLRWHSGER					: 623
ANH0024C :	EGKRLRRVACTCPNCKEGGGRGTNLGKKKQHICHIPGCGKVYGKTSHLRAHLRWHSGER					: 364
X68560 :	EGKRLRRVACTCPNCKEGGGRGTNLGKKKQHICHIPGCGKVYGKTSHLRAHLRWHSGER					: 364

	*	660	*	680	*	700	
ANH0024A :	PFVCNWMYCGKRFRTRSDQLQRHRRTHTEGKKEFVCPECSKRFRMSDHLAKHIKTHQNKKG						: 708
ANH0024B :	PFVCNWMYCGKRFRTRSDQLQRHRRTHTEGKKEFVCPECSKRFRMSDHLAKHIKTHQNKKG						: 667
ANH0024D :	PFVCNWMYCGKRFRTRSDQLQRHRRTHTEGKKEFVCPECSKRFRMSDHLAKHIKTHQNKKG						: 682
ANH0024C :	PFVCNWMYCGKRFRTRSDQLQRHRRTHTEGKKEFVCPECSKRFRMSDHLAKHIKTHQNKKG						: 423
X68560 :	PFVCNWMYCGKRFRTRSDQLQRHRRTHTEGKKEFVCPECSKRFRMSDHLAKHIKTHQNKKG						: 423

	*	720	*	740	*	760	
ANH0024A :	IHSSSTVLASVEAARDDTLITAGGTTLILAKIQQGSVSGIGTVNTSATSNDILTNTTEI						: 767
ANH0024B :	IHSSSTVLASVEAARDDTLITAGGTTLILAKIQQGSVSGIGTVNTSATSNDILTNTTEI						: 726
ANH0024D :	IHSSSTVLASVEAARDDTLITAGGTTLILAKIQQGSVSGIGTVNTSATSNDILTNTTEI						: 741
ANH0024C :	IHSSSTVLASVEAARDDTLITAGGTTLILAKIQQGSVSGIGTVNTSATSNDILTNTTEI						: 482
X68560 :	IHSSSTVLASVEAARDDTLITAGGTTLILAKIQQGSVSGIGTVNTSATSNDILTNTTEI						: 482

	*	780	
ANH0024A :	PLQLVTVSGNETME	: 781	
ANH0024B :	PLQLVTVSGNETME	: 740	
ANH0024D :	PLQLVTVSGNETME	: 755	
ANH0024C :	PLQLVTVSGNETME	: 496	
X68560 :	PLQLVTVSGNETME	: 496	

FIG. 2B

		*	20	*	40	*	60	
ANH0039	:	MDLRQFLMCLSLCTAFALSKPTEKKDRVHHEPQLSDKVHNDQAQSFYDHDALGAEEAKT					:	60
XM_045848	:	MDLRQFLMCLSLCTAFALSKPTEKKDRVHHEPQLSDKVHNDQAQSFYDHDALGAEEAKT					:	60

		*	80	*	100	*	120	
ANH0039	:	FDQLTPEESKERLCMIVDKIDADKDGFTVTEGLKSWIKHAQKKYIYDNVENQWQEDMNC					:	120
XM_045848	:	FDQLTPEESKERLCMIVSKIDGDKDGFTVTEGLKSWIKHAQKRWIYEDVERQWKGHDLNE					:	120

		*	140	*	160	*	180	
ANH0039	:	DGLISWDEYRNVTYGYLDDPDPPDDGFNYKQMMVRDERREKMDKDGDLIATKEEFTAFI					:	180
XM_045848	:	DGLVSWDEYKNATYGYLDDPDPPDDGFNYKQMMVRDERRFKMDKDGDLIATKEEFTAFI					:	180

		*	200	*	220	*	240	
ANH0039	:	HPPEYDYMKDIVVQETMEDIDKNADGFIDLEEYIGDMYSHDGNTDEPEWVKTEREQFVEF					:	240
XM_045848	:	HPPEYDYMKDIVVQETMEDIDKNADGFIDLEEYIGDMYSHDGNTDEPEWVKTEREQFVEF					:	240

		*	260	*	280	*	300	
ANH0039	:	RDKNRDGKMDKEETKDWILPSDYDHAEAEARHLVYESDQNKDGKLTKEEIVDKYDLFVGS					:	300
XM_045848	:	RDKNRDGKMDKEETKDWILPSDYDHAEAEARHLVYESDQNKDGKLTKEEIVDKYDLFVGS					:	300

		*						
ANH0039	:	QATDFGEALVRHDEF					:	315
XM_045848	:	QATDFGEALVRHDEF					:	315

FIG. 3

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      *           20           *           40           *           60
XM_055371 : MRAPSMDRRAVAVRGAVASASVCAVAGVVFAQVLETKRKTCGRKTKI-TEMMPEEFQKSS : 59
ANH0068   : -----MINDESAVHVKMMPEFQKSS : 20

      *           80           *           100          *           120
XM_055371 : VRIKNPTRVEEIIICGLIKGGAAKLQIITDEDMTISRFSYKGKRCPTCHNIIDNCKLVTDE : 119
ANH0068   : VRIKNPTRVEEIIICGLIKGGAAKLQIITDEDMTISRFSYKGKRCPTCHNIIDNCKLVTDE : 80

      *           140          *           160          *           180
XM_055371 : CRKKLLQLKEKYAIEVDPVLTVEEKYPYMVEWYTKSHGLLVQQALPKAKLKEIVAESDV : 179
ANH0068   : CRKKLLQLKEKYAIEVDPVLTVEEKYPYMVEWYTKSHGLLVQQALPKAKLKEIVAESDV : 140

      *           200          *           220          *           240
XM_055371 : MLKEGYENFFDKLQOHSIPVFIFSAGIGDVLEEVIROAGVYHPNVKVVSNFMDFDETGVI : 239
ANH0068   : MLKEGYENFFDKLQOHSIPVFIFSAGIGDVLEEVIROAGVYHPNVKVVSNFMDFDETGVI : 200

      *           260          *           280          *           300
XM_055371 : KGFKGELIHVFNKHDGALRNTEYFNQLKDNSNIILLGDSQGDLRMADGVANVEHILKIGY : 299
ANH0068   : KGFKGELIHVFNKHDGALRNTEYFNQLKDNSNIILLGDSQGDLRMADGVANVEHILKIGY : 260

      *           320          *
XM_055371 : LNDRVDELLEKYMDSYDIVLVQDESLEVANSILOKIL- : 336
ANH0068   : LNDRVDELLEKYMDSYDIVLVQDESLEVANSILOKIL- : 297

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FIG. 4

			*	20	*	40	*	60	
ANH0114	:	MALGLEQAEERQRLYQOTLLQDGLKDMLDHGKFLDCVVRAGEREFPC	HLVLAACSPYFRA	:	60				
XM_076374	:	MALGLEQAEERQRLYQOTLLQDGLKDMLDHGKFLDCVVRAGEREFPC	HLVLAACSPYFRA	:	60				
			*	80	*	100	*	120	
ANH0114	:	RFLAEPEERAGELHLEEVSPDVVAQVLHYLYTSEIALDEASVQDLFAAAH	RFOIPSIETIC	:	120				
XM_076374	:	RFLAEPEERAGELHLEEVSPDVVAQVLHYLYTSEIALDEASVQDLFAAAH	RFOIPSIETIC	:	120				
			*	140	*	160	*	180	
ANH0114	:	VSFLQKRLCLSNCLAVERLGLLLDCARLAVAARDFICAHFTLVARDADFL	GLSADELIAI	:	180				
XM_076374	:	VSFLQKRLCLSNCLAVERLGLLLDCARLAVAARDFICAHFTLVARDADFL	GLSADELIAI	:	180				
			*	200	*	220	*	240	
ANH0114	:	ISSDGLNVEKEEAVFEAVMRWAGSGDAEAQAERQRALPTVFESVRCRL	LPRAFLESRVER	:	240				
XM_076374	:	ISSDGLNVEKEEAVFEAVMRWAGSGDAEAQAERQRALPTVFESVRCRL	LPRAFLESRVER	:	240				
			*	260	*	280	*	300	
ANH0114	:	HPLVRAQPELLRKVQMVKDAHEGRITTLRKKKKKGKDGAGAKEADKGT	SKAKAEDEEAER	:	300				
XM_076374	:	HPLVRAQPELLRKVQMVKDAHEGRITTLRKKKKKGKDGAGAKEADKGT	SKAKAEDEEAER	:	300				
			*	320	*	340	*	360	
ANH0114	:	ILPGILNDTLRFGMFLQDLIFMISEEGAVAYDPAANECYCASLS	NOVPKNHVS	LT	TKENC	:	360		
XM_076374	:	ILPGILNDTLRFGMFLQDLIFMISEEGAVAYDPAANECYCASLS	NOVPKNHVS	LT	TKENC	:	360		
			*	380	*	400	*	420	
ANH0114	:	VFVAGGLFYNNEDNKEDPMSAYFLQFDHLDSEWLGMPPLSPRCLEGL	GEALNSIYVVGGR	:	420				
XM_076374	:	VFVAGGLFYNNEDNKEDPMSAYFLQFDHLDSEWLGMPPLSPRCLEGL	GEALNSIYVVGGR	:	420				
			*	440	*	460	*	480	
ANH0114	:	EIKDGERCLDSVMCYDRLSFKWGESDLPYVYVYCHTVLSHMLVYVI	GCKGS	DRK	GENKM	:	480		
XM_076374	:	EIKDGERCLDSVMCYDRLSFKWGHRRRAHQFCSVOHHRQOVGTHRG	LPTCA	-----		:	472		
			*	500	*	520	*	540	
ANH0114	:	CVYDPKKFEWKELAPMOTARSLEGATVHDGRGLVAAGVDTGLTSSAL	VS	MDNKWAP		:	540		
XM_076374	:	-----				:	-		
			*	560	*	580	*	600	
ANH0114	:	PAEPQERSSTSIYSVMGTRATIGGSAVMDISGAVMPELNDATWSAN	DEKKWEGVRRPI	:	600				
XM_076374	:	-----				:	-		
			*	620					
ANH0114	:	MYAGALGGVMMNMVRRTKM		:	621				
XM_076374	:	-----		:	-				

FIG. 5

		*	620	*	640	*	660	
ANH0144A :	RVPRLPPRPVNG							610
ANH0144B :	RVPRLPPRPVNG	CHLIMTTILFMSCSARARMGFTGIVHILRFKLLLESWCWSEAGGSVIE					657	
ANH0144C :	RVPRLPPRPVNG						613	
AL133047 :								-
		*	680	*	700	*	720	
ANH0144A :								-
ANH0144B :	LAEAFARLQIMSSFSSKHGWSFIDWSVRLPVIGWPSQNPLFWMRNGLFCLDMTELYHLET						717	
ANH0144C :								-
AL133047 :								-
		*	740	*	760	*	780	
ANH0144A :	KTLPTQQPPTKVPPERPEPPPKLSATRRSNKKLFPNRSSSDMDLQKQSNLATGLSKAKS						669	
ANH0144B :	KTLPTQQPPTKVPPERPEPPPKLSATRRSNKKLFPNRSSSDMDLQKQSNLATGLSKAKS						777	
ANH0144C :	KTLPTQQPPTKVPPERPEPPPKLSATRRSNKKLFPNRSSSDMDLQKQSNLATGLSKAKS						672	
AL133047 :								-
		*	800	*	820	*	840	
ANH0144A :	QVEKNQDQVLPPEPKPGHLYSKVMSVPHGTANEDIVSQNPGEISCKRGDVLVMLKQTE						729	
ANH0144B :	QVEKNQDQVLPPEPKPGHLYSKVMSVPHGTANEDIVSQNPGEISCKRGDVLVMLKQTE	RGDVLVMLKQTE					814	
ANH0144C :	QVEKNQDQVLPPEPKPGHLYSKVMSVPHGTANEDIVSQNPGEISCKRGDVLVMLKQTE						732	
AL133047 :	MSVPHGTANEDIVSQNPGEISCKRGDVLVMLKQTE						36	
		*	860	*	880	*	900	
ANH0144A :	NNYLECQKGEDTGRVHLSQMKIITPLDEHLRSRPNDPSHAQKPVDSGAPHAVVLHDFPAE						789	
ANH0144B :	NNYLECQKGEDTGRVHLSQMKIITPLDEHLRSRPNDPSHAQKPVDSGAPHAVVLHDFPAE						874	
ANH0144C :	NNYLECQKGEDTGRVHLSQMKIITPLDEHLRSRPNDPSHAQKPVDSGAPHAVVLHDFPAE						792	
AL133047 :	NNYLECQKGEDTGRVHLSQMKIITPLDEHLRSRPNDPSHAQKPVDSGAPHAVVLHDFPAE						96	
		*	920	*	940	*	960	
ANH0144A :	QVDDLNLTSGEIVYLLEKIDTDWYRGNCRNQIGIFPANYVKVIIDIPEGNGKRECVSSH						849	
ANH0144B :	QVDDLNLTSGEIVYLLEKIDTDWYRGNCRNQIGIFPANYVKVIIDIPEGNGKRECVSSH						934	
ANH0144C :	QVDDLNLTSGEIVYLLEKIDTDWYRGNCRNQIGIFPANYVKVIIDIPEGNGKRECVSSH						852	
AL133047 :	QVDDLNLTSGEIVYLLEKIDTDWYRGNCRNQIGIFPANYVKVIIDIPEGNGKRECVSSH						156	
		*	980	*	1000	*	1020	
ANH0144A :	CVKGSRVCARFEYIGEOKDELFSFSEGEIILKEYVNEEWARGEVRGRTGIFPLNFVEPVE						909	
ANH0144B :	CVKGSRVCARFEYIGEOKDELFSFSEGEIILKEYVNEEWARGEVRGRTGIFPLNFVEPVE						994	
ANH0144C :	CVKGSRVCARFEYIGEOKDELFSFSEGEIILKEYVNEEWARGEVRGRTGIFPLNFVEPVE						912	
AL133047 :	CVKGSRVCARFEYIGEOKDELFSFSEGEIILKEYVNEEWARGEVRGRTGIFPLNFVEPVE						216	
		*	1040	*	1060	*	1080	
ANH0144A :	DYPTSGANVLSTKVPPLTKKEDSGSNSQVNSLPAEWCEALHSETAETSDDLSEFRGDRIC						969	
ANH0144B :	DYPTSGCKCFKHGTENQRRFWLKLGS						1023	
ANH0144C :	DYPTSGANVLSTKVPPLTKKEDSGSNSQVNSLPAEWCEALHSETAETSDDLSEFRGDRIC						972	
AL133047 :	DYPTSGANVLSTKVPPLTKKEDSGSNSQVNSLPAEWCEALHSETAETSDDLSEFRGDRIC						276	
		*	1100	*	1120	*	1140	
ANH0144A :	ILERLDSWCRGRLQDREGIFPAVEVRPCPAEAKSMLAIVPKGRKAKALYDFRGNEDEL						1029	
ANH0144B :								-
ANH0144C :	ILERLDSWCRGRLQDREGIFPAVEVRPCPAEAKSMLAIVPKGRKAKALYDFRGNEDEL						1032	
AL133047 :	ILERLDSWCRGRLQDREGIFPAVEVRPCPAEAKSMLAIVPKGRKAKALYDFRGNEDEL						336	
		*	1160	*	1180			
ANH0144A :	SEKAGDIITELESVDDDWMSGELMGKSGIFPKNYIQFLOIS						1070	
ANH0144B :								-
ANH0144C :	SEKAGDIITELESVDDDWMSGELMGKSGIFPKNYIQFLOIS						1073	
AL133047 :	SFKAGDIITELESVDDDWMSGELMGKSGIFPKNYIQFLOIS						377	

FIG. 6B

			*	20	*	40	*	60	
ANH0241	:	MDISTRKDPGSAERTAQRKRFSPPHSSNGHSPQDTSTSPIKKKKKPGLLNSNNKEQSE	:	60					
XM_086643	:	MDISTRKDPGSAERTAQRKRFSPPHSSNGHSPQDTSTSPIKKKKKPGLLNSNNKEQSE	:	60					

			*	80	*	100	*	120	
ANH0241	:	LRHGPFYYMKQPLTTDPVDVVPQDGRNDFYCWVCHREGQVLCCELCPRVYHAKCLRLTSE	:	120					
XM_086643	:	LRHGPFYYMKQPLTTDPVDVVPQDGRNDFYCWVCHREGQVLCCELCPRVYHAKCLRLTSE	:	120					

			*	140	*	160	*	180	
ANH0241	:	PEGDWFCPECEKITVAECIETQSKAMTMLTIEQLSYLLKFQKMKQPGTDAFQKPVPLE	:	180					
XM_086643	:	PEGDWFCPECEKITVAECIETQSKAMTMLTIEQLSYLLKFQKMKQPGTDAFQKPVPLE	:	180					

			*	200	*	220	*	240	
ANH0241	:	QHPDYAEYIFHPMDLCTLEKNAKKKMYGCTEAFADAKWILHNCIIYNGGNHKLTOIAKV	:	240					
XM_086643	:	QHPDYAEYIFHPMDLCTLEKNAKKKMYGCTEAFADAKWILHNCIIYNGGNHKLTOIAKV	:	240					

			*	260	*	280	*	300	
ANH0241	:	VIKICEHEMNEIEVCPECYLAACQKRDNWFCEPCSNPHPLVWAKLKGFPFWPAKALRDKD	:	300					
XM_086643	:	VIKICEHEMNEIEVCPECYLAACQKRDNWFCEPCSNPHPLVWAKLKGFPFWPAKALRDKD	:	300					

			*	320	*	340	*	360	
ANH0241	:	GOVDARFFGQHDRAWVPINNCLMSKEIPFSVKKTKSIENSAMQEMEYVENIRRKFGVF	:	360					
XM_086643	:	GOVDARFFGQHDRAWVPINNCLMSKEIPFSVKKTKSIENSAMQEMEYVENIRRKFGVF	:	360					

			*	380	*	400	*	420	
ANH0241	:	NYSPFRTPTYTENSQYQMLLDPTNPSAGTAKIDKQEKVKLNFDMTASPKILMSKPVLSSGGT	:	420					
XM_086643	:	NYSPFRTPTYTENSQYQMLLDPTNPSAGTAKIDKQEKVKLNFDMTASPKILMSKPVLSSGGT	:	420					

			*	440	*	460	*	480	
ANH0241	:	GRRISLSDMPRSPMSTNSSVHTGSDVEQDAEKKATSSHFSASEESMDFLDKSTASPASTK	:	480					
XM_086643	:	GRRISLSDMPRSPMSTNSSVHTGSDVEQDAEKKATSSHFSASEESMDFLDKSTASPASTK	:	480					

			*	500	*	520	*	540	
ANH0241	:	TGQAGSLSGSPKPFSPQLSAPITTKTDKTSTTGSILNLDNRKAEMDLKELSESVOQQS	:	540					
XM_086643	:	TGQAGSLSGSPKPFSPQLSAPITTKTDKTSTTGSILNLDNRKAEMDLKELSESVOQQS	:	540					

			*	560	*	580	*	600	
ANH0241	:	TPVPLISPKRQIRSRFQLNLDKTIESCKAQLGINEISEDVYTAVEHSDSEDSEKSDSSDS	:	600					
XM_086643	:	TPVPLISPKRQIRSRFQLNLDKTIESCKAQLGINEISEDVYTAVEHSDSEDSEKSDSSDS	:	600					

			*	620	*	640	*	660	
ANH0241	:	EYISDDEQSKNEPEDTEDKEGQCMDKEPSAVKKKPKPTNPVEIKEELKSTSPASEKADF	:	660					
XM_086643	:	EYISDDEQSKNEPEDTEDKEGQCMDKEPSAVKKKPKPTNPVEIKEELKSTSPASEKADF	:	660					

FIG. 7A

		*	680	*	700	*	720	
ANH0241	:	GAVKDKASPEPEKDFSEKAKPSHPPIKDKLKGKDETDSPTVHLGLDSDSESELVIDLGED					:	720
XM_086643	:	GAVKDKASPEPEKDFSEKAKPSHPPIKDKLKGKDETDSPTVHLGLDSDSESELVIDLGED					:	720
		*	740	*	760	*	780	
ANH0241	:	HSGREGGRKNKKEPKEPSPKQDVVGKTPPSTTVGSHSPPETPVLTRSSAQTSAAGATATTS					:	780
XM_086643	:	HSGREGGRKNKKEPKEPSPKQDVVGKTPPSTTVGSHSPPETPVLTRSSAQTSAAGATATTS					:	780
		*	800	*	820	*	840	
ANH0241	:	TSSTVTVTAPAPAATGSPVKKORPLLPKETAPAVQRVVWNSSSKFQTSSQKWHMQKMQRQ					:	840
XM_086643	:	TSSTVTVTAPAPAATGSPVKKORPLLPKETAPAVQRVVWNSSSKFQTSSQKWHMQKMQRQ					:	840
		*	860	*	880	*	900	
ANH0241	:	QQQQQQQNQQQQPOSSQGRYQTRQAVKAVQOKEITQSPSTSTITLVTSTOSSPLVTSSG					:	900
XM_086643	:	QQQQQQQNQQQQPOSSQGRYQTRQAVKAVQOKEITQSPSTSTITLVTSTOSSPLVTSSG					:	900
		*	920	*	940	*	960	
ANH0241	:	SMSTLVSSVNADLPIATASADVAADIKYTSKMMQAKGTETRYNDISKNITGSGTFAET					:	960
XM_086643	:	SMSTLVSSVNADLPIATASADVAADIKYTSKVNCGNKRNNRNRNRSE-----					:	949
		*	980	*	1000	*	1020	
ANH0241	:	RRRRFEFEKLEWLHQOELSEMKHNDLETMAEMROSLEQERDRRTALVKKOLEFEKQOAMD					:	1020
XM_086643	:	-----					:	-
		*	1040	*	1060	*	1080	
ANH0241	:	ELKKKQWCANCKKEATEFYCCWNTSYCDYPCOOAHWPEHMKSGTQSATAPOOEADAEVNTTE					:	1080
XM_086643	:	-----					:	-
		*	1100	*	1120	*	1140	
ANH0241	:	LNKSSQGGSSSTQSAPSETASASKEKETSAAKSKESGSGTMDLGGSGRETPSSITIGSGNOG					:	1140
XM_086643	:	-----					:	-
		*	1160	*	1180	*	1200	
ANH0241	:	SVSKRGDRQPAVAFETTDHOPHPNMPAOKTHSFSNKGSTSSSEACGSGTRGDHNTSTSE					:	1200
XM_086643	:	-----					:	-
		*						
ANH0241	:	SAMPKESREDTEWD					:	1214
XM_086643	:	-----					:	-

FIG. 7B

		*	20	*	40	*	60	
ANH0245	:	-----MFWKSLAHSMVIGYEHDEKWFYEETESSDDVEVLTLLKKEK						: 39
AK027731	:	MDSGCWDFEGGEFFEDSVFEERDEFRSGPPASVYCAKLGEPWFYEETESSDDVEVLTLLKKEK						: 60
		*	80	*	100	*	120	
ANH0245	:	GDLAYRRQEQYQKALQEYSSISEKLSSTNFAMKRDVQEGQARCLAHLGRHMEALEIAANLE						: 99
AK027731	:	GDLAYRRQEQYQKALQEYSSISEKLSSTNFAMKRDVQEGQARCLAHLGRHMEALEIAANLE						: 120
		*	140	*	160	*	180	
ANH0245	:	NKATNTDHLTTVLVYLQLAICSSLQNLKTIFFCLOKLISLHPFNPNWGWKLAAYLNLGPA						: 159
AK027731	:	NKATNTDHLTTVLVYLQLAICSSLQNLKTIFFCLOKLISLHPFNPNWGWKLAAYLNLGPA						: 180
		*	200	*	220	*	240	
ANH0245	:	LSAALASSQKQHSFTSSDKTIKSFFPHSGKDCLLCPETLPESLFSVEANSSNSQKNEK						: 219
AK027731	:	LSAALASSQKQHSFTSSDKTIKSFFPHSGKDCLLCPETLPESLFSVEANSSNSQKNEK						: 240
		*	260	*	280	*	300	
ANH0245	:	ALTNIONCMAEKRETVLIETQLKACASFIRTRLLQFTQPQOTSFALERNLRTQQEIEDK						: 279
AK027731	:	ALTNIONCMAEKRETVLIETQLKACASFIRTRLLQFTQPQOTSFALERNLRTQQEIEDK						: 300
		*	320	*	340	*	360	
ANH0245	:	MKGFSFKEDTLLLLIAEVMGEDIPEKIKDEVHPEVKCVGSVALTALVTVSSEEFEDKWERK						: 339
AK027731	:	MKGFSFKEDTLLLLIAEVMGEDIPEKIKDEVHPEVKCVGSVALTALVTVSSEEFEDKWERK						: 360
		*	380					
ANH0245	:	IKDHFCPPFNQFHTEIQILA						: 359
AK027731	:	IKDHFCPPFNQFHTEIQILA						: 380

FIG. 8

ANH0296	:	MKSRESSTLDRAVLAELNASTLEGMRVNNVAVDVKNTYLERLOKPEDEKATLLLESGRTHHT	:	60
NM_004713	:	-----	:	-
AK000913	:	MESRESSTLDRAVLAELNASTLEGMRVNNVAVDVKNTYLERLOKPEDEKATLLLESGRTHHT	:	60
ANH0296	:	TEFEWPKNNMPESSFAMKCRKHLKSRRLVSAKQEGVDRLVDEQFGSDSAAYHLIIEELYDRG	:	120
NM_004713	:	-----	:	-
AK000913	:	TEFEWPKNNMPESSFAMKCRKHLKSRRLVSAKQEGVDRLVDEQFGSDSAAYHLIIEELYDRG	:	120
ANH0296	:	NIIVLTIDYEYVILNITLRRRTDEADDVKFAVREERYPLDHARAAEPLLTLERLTEIVASAPKG	:	180
NM_004713	:	-----	:	-
AK000913	:	NIIVLTIDYEYVILNITLRRRTDEADDVKFAVREERYPLDHARAAEPLLTLERLTEIVASAPKG	:	180
ANH0296	:	ELLKRVLNPLEPYGPAITLHCHLLENGESGNVKVDEKLETKDIEKVLVSLQKAEDYMKTS	:	240
NM_004713	:	-----	:	-
AK000913	:	ELLKRVLNPLEPYGPAITLHCHLLENGESGNVKVDEKLETKDIEKVLVSLQKAEDYMKTS	:	240
ANH0296	:	NFSGKGYLTQKREIKPCLEADKPVEDILTYEEHHEELFSQHSQCPYIEFESEFKAVIDEY	:	300
NM_004713	:	-----	:	-
AK000913	:	NFSGKGYLTQKREIKPCLEADKPVEDILTYEEHHEELFSQHSQCPYIEFESEFKAVIDEY	:	300
ANH0296	:	SKTEGQKIDKATQOEKQOALKKIDNVKQDHNRIEATQQAQSLDKLKGETHIEMNQIVDR	:	360
NM_004713	:	-----	:	-
AK000913	:	SKTEGQKIDKATQOEKQOALKKIDNVKQDHNRIEATQQAQSLDKLKGETHIEMNQIVDR	:	360
ANH0296	:	AIQVVRSAIANQEDWTEIGLIVKEAQAGDEVASAIKELKLOTNHVTMLLRNPYLLSEEE	:	420
NM_004713	:	-----	:	-
AK000913	:	AIQVVRSAIANQEDWTEIGLIVKEAQAGDEVASAIKELKLOTNHVTMLLRNPYLLSEEE	:	420
ANH0296	:	DDDVDGVDVNVKNETEPPPKGKKKQKNKQLOKPKNNKPLLVDVDSLSSAYANAKKYIDHK	:	480
NM_004713	:	-----	:	-
AK000913	:	DDDVDGVDVNVKNETEPPPKGKKKQKNKQLOKPKNNKPLLVDVDSLSSAYANAKKYIDHK	:	480
ANH0296	:	RYAAKKTKQTVFAAEKAFKSAEKKTKQTLKEVQTVTSIQKARKVYWFEKFLWFISSENYL	:	540
NM_004713	:	-----	:	-
AK000913	:	RYAAKKTKQTVFAAEKAFKSAEKKTKQTLKEVQTVTSI	:	518
ANH0296	:	IIGGRDQQQNEIIVKRYLTPGDIYVHADLHGATSCVIKNPTGEPIPPRTLTEAGTMALCY	:	600
NM_004713	:	-----	:	-
AK000913	:	-----	:	-

FIG. 9A

			*	620	*	640	*	660	
ANH0296	:	SAAWDARVITSAWVYHHQVSKTAPTGEYLTGFSFMIRGKKNFLPPSYLMMGFSLFKVD	:						660
NM_004713	:	-----	:						-
AK000913	:	-----	:						-
			*	680	*	700	*	720	
ANH0296	:	ESCVRHQGERKVRVQDEDMETLASCTSELISEEMEQLDGGDTSSDEDKEEHETPVEVEL	:						720
NM_004713	:	-----	:						-
AK000913	:	-----	:						-
			*	740	*	760	*	780	
ANH0296	:	MTQVDQEDITLQSGRDELNEELIQEESSEDEGEYEEVRKDQDSVGEMKDEGEETLNYPDT	:						780
NM_004713	:	MTQVDQEDITLQSGRDELNEELIQEESSEDEGEYEEVRKDQDSVGEMKDEGEETLNYPDT	:						60
AK000913	:	-----	:						-
			*	800	*	820	*	840	
ANH0296	:	TEDLSHLQQRSTQKLLASKEESSNSSDSKSSQSRRLSAKEEREMKKKKLPSDSGDLREAL	:						840
NM_004713	:	TEDLSHLQQRSTQKLLASKEESSNSSDSKSSQSRRLSAKEEREMKKKKLPSDSGDLREAL	:						120
AK000913	:	-----	:						-
			*	860	*	880	*	900	
ANH0296	:	GKDKKESTVHIETHONTSKNVAAVQPMKRGCKSKMKKKEKYKDQDEEDRELTKKILGS	:						900
NM_004713	:	GKDKKESTVHIETHONTSKNVAAVQPMKRGCKSKMKKKEKYKDQDEEDRELTKKILGS	:						180
AK000913	:	-----	:						-
			*	920	*	940	*	960	
ANH0296	:	AGSNKEERGKKGKKGKTKDEPVKKQPOKPPGGORVSDNFKKETLFFLEVLTHERQDEAVDL	:						960
NM_004713	:	AGSNKEERGKKGKKGKTKDEPVKKQPOKPPGGORVSDNFKKETLFFLEVLTHERQDEAVDL	:						240
AK000913	:	-----	:						-
			*	980	*	1000	*	1020	
ANH0296	:	BHDDKEEQDLDOQGNEENLEDSLTGQPHPEDVLLFALPICAPYTTMTNLYKVKLTPEGVC	:						1020
NM_004713	:	BHDDKEEQDLDOQGNEENLEDSLTGQPHPEDVLLFALPICAPYTTMTNLYKVKLTPEGVC	:						300
AK000913	:	-----	:						-
			*	1040	*	1060	*	1080	
ANH0296	:	KKGKAAKTALNSFMHSKEATAREKDLFRSVKDTDLSRNLEGKVKSVCTQSSERKKEIAEM	:						1080
NM_004713	:	KKGKAAKTALNSFMHSKEATAREKDLFRSVKDTDLSRNLEGKVKSVCTQSSERKKEIAEM	:						360
AK000913	:	-----	:						-
ANH0296	:	KF	:	1082					
NM_004713	:	KF	:	362					
AK000913	:	--	:	-					

FIG. 9B

ANH0423 : MESGRGSSTPPGPAAALGMPDTGPGSSSLGKLOALPVGPRAHCGDPVSLAAAGDGSPDIG : 60
 XM_053487 : MESGRGSSTPPGPAAALGMPDTGPGSSSLGKLOALPVGPRAHCGDPVSLAAAGDGSPDIG : 60

ANH0423 : PTGELSGSLKIPNRDSGIDSPSSSVAGENFPCEEGLAAGPSPTVLGAHAEMALDSQVPKV : 120
 XM_053487 : PTGELSGSLKIPNRDSGIDSPSSSVAGENFPCEEGLAAGPSPTVLGAHAEMALDSQVPKV : 120

ANH0423 : TPQEEADSDVGEEPDSENTPQKADKDAGLAQHSGPQKLLHIAQELLHTEETYVKRLHLLD : 180
 XM_053487 : TPQEEADSDVGEEPDSENTPQKADKDAGLAQHSGPQKLLHIAQELLHTEETYVKRLHLLD : 180

ANH0423 : QVFCTRLTDAGIPPEVIMGIFSNISSIHREHGQFLLPELKTRITEEWDTNPRIGDILQKI : 240
 XM_053487 : QVFCTRLTDAGIPPEVIMGIFSNISSIHREHGQFLLPELKTRITEEWDTNPRIGDILQKI : 240

ANH0423 : APFLKMYGEYVKNFDRAGVLVSTWTQRSPLFKDVVHSIQKQEVCGNLTLOHHMLEPVQRV : 300
 XM_053487 : APFLKMYGEYVKNFDRAGVLVSTWTQRSPLFKDVVHSIQKQEVCGNLTLOHHMLEPVQRV : 300

ANH0423 : PRYELLLKDYLRKPQDAPDRKDAERSLELISTAANHSNAAIRKVEKMHKLLLEVYEQLG : 360
 XM_053487 : PRYELLLKDYLRKPQDAPDRKDAERSLELISTAANHSNAAIRKVEKMHKLLLEVYEQLG : 360

ANH0423 : EEDIVNPANELIKEGQIQKLSAKNGTPQDRHLELFNSMILYCVPKLRIMGQKFSVREKMD : 420
 XM_053487 : EEDIVNPANELIKEGQIQKLSAKNGTPQDRHLELFNSMILYCVPKLRIMGQKFSVREKMD : 420

ANH0423 : ISGLQVQDIVKPNTAHTFIITGRKRSLELQTRTEEEKKEWIIQIIQATIEKHKONSETFKA : 480
 XM_053487 : ISGLQVQDIVKPNTAHTFIITGRKRSLELQTRTEEEKKEWIIQIIQATIEKHKONSETFKA : 480

ANH0423 : FGGAFSQDEDPSSLSPDMPITSTSPVEPVVTEGSSGAAGLEPRKLSSKTRRDKEKQCKS : 540
 XM_053487 : FGGAFSQDEDPSSLSPDMPITSTSPVEPVVTEGSSGAAGLEPRKLSSKTRRDKEKQCKS : 540

ANH0423 : CGETFNSITKRRHHCKLCGAVICGKCSEFKAENSRQSRVCRDCFLTQPVAPESTEETPTA : 600
 XM_053487 : CGETFNSITKRRHHCKLCGAVICGKCSEFKAENSRQSRVCRDCFLTQPVAPESTEVNAPS : 600

ANH0423 : PPSLLCGPRLSESGETWSEVWAAIPMSBPQVHFGGGSOPGKLELTPHPSKLSVE : 660
 XM_053487 : SSSPPCGAAPPPTSCAPAPASLFGVSLSPG----- : 634

ANH0423 : DEEERLDSCHVWKQWAKQSWYLSASSAETOCOWLETLSTAAGDTAODSPGALQLOVPM : 720
 XM_053487 : ----- : -

ANH0423 : GAAT : 725
 XM_053487 : ----- : -

FIG. 10

		*	20	*	40	*	60	
ANH0459B	:	MDAEEKKKMOMLKKIDKENALDRAEQAADKKAAEDRSKQSEEDTAAKEKLLRVSEDERDRV					:	60
ANH0459C	:	-----MAGSSSEAVRKLESLOECADAA					:	24
ANH0459D	:	-----					:	-
NM_000366	:	MDAEEKKKMOMLKKIDKENALDRAEQAADKKAAEDRSKQSEEDTAAKEKLLRVSEDERDRV					:	60

		*	80	*	100	*	120	
ANH0459B	:	LEEHKKEEDSLAAEEAAKAEADVASLNRRRIQLVEEELDRAQERLATALOKLEEAEEKAA					:	120
ANH0459C	:	EERAGTLQRELDHERKLRTEADVASLNRRRIQLVEEELDRAQERLATALOKLEEAEEKAA					:	84
ANH0459D	:	-----					:	-
NM_000366	:	SEAKKDAQEKLELAEEKKATDADVASLNRRRIQLVEEELDRAQERLATALOKLEEAEEKAA					:	120

		*	140	*	160	*	180	
ANH0459B	:	DESERGMKVIESRAQKDEEKMEIQETIQLKEAKHIAEDADRKYEEVARKLVIIESDLERAE					:	180
ANH0459C	:	DESERGMKVIESRAQKDEEKMEIQETIQLKEAKHIAEDADRKYEEVARKLVIIESDLERAE					:	144
ANH0459D	:	-----MKVIESRAQKDEEKMEIQETIQLKEAKHIAEDADRKYEEVARKLVIIESDLERAE					:	54
NM_000366	:	DESERGMKVIESRAQKDEEKMEIQETIQLKEAKHIAEDADRKYEEVARKLVIIESDLERAE					:	180

		*	200	*	220	*	240	
ANH0459B	:	ERAELSEGQVROLEEQLRIMDQILKALMAAEDKYSQKEDRYEEIKNVLSDKLKEAETRAE					:	240
ANH0459C	:	ERAELSEGKCAELEEEELRTVTNNLKSLEAOAEKYSQKEDRYEEIKNVLSDKLKEAETRAE					:	204
ANH0459D	:	ERAELSEGQVROLEEQLRIMDQILKALMAAEDKYSQKEDRYEEIKNVLSDKLKEAETRAE					:	114
NM_000366	:	ERAELSEGQVROLEEQLRIMDQILKALMAAEDKYSQKEDRYEEIKNVLSDKLKEAETRAE					:	240

		*	260	*	280		
ANH0459B	:	FAERSVTKLEKSIDDLEEKVAHAKEENLSMHOMIDQTHLELNMM				:	284
ANH0459C	:	FAERSVTKLEKSIDDLEEQYQOLEQN---RRLTNELKLALNED				:	245
ANH0459D	:	FAERSVTKLEKSIDDLEEKVAHAKEENLSMHOMIDQTHLELNMM				:	158
NM_000366	:	FAERSVTKLEKSIDDLEEKVAHAKEENLSMHOMIDQTHLELNMM				:	284

FIG. 11

ANH0769	:	MAVLEKLTDOPELVOQLFSGDPEELRMITHKTEDVNTEDSEKRTPLHVAALFGDAFHEEM	:	60
AL133087	:	-----	:	-
ANH0769	:	FSGCARVNAKDNMTWETPELHRAVASRSEELAVOVITEKHSADVNAEDKNWOTPLHVAANKAV	:	120
AL133087	:	-----	:	-
ANH0769	:	KQDYLTEPELSSVAVSDRCGRVAMHHAALNGHVMVMNGLBAKGANENATEBKGRRAHWA	:	180
AL133087	:	-----	:	-
ANH0769	:	LYGHELDVAHHSINHGAEVTEKDKKSYPLHFAASNGCLNWKHHEMIGVEEDPELVNAGN	:	240
AL133087	:	-----	:	-
ANH0769	:	FAHHLACVNGODAVVNEHEDYGANVNOPNNNGFPELHFAASTHGALCEEDLVNNGADVN	:	300
AL133087	:	-----	:	-
ANH0769	:	FQSKDCKSPLEHMTAVHGRFTRSQTLIQNGGEIDCVDKDGNTPLHVAARYGHELLINTLIT	:	360
AL133087	:	-----MTAVHGRFTRSQTLIQNGGEIDCVDKDGNTPLHVAARYGHELLINTLIT	:	49
ANH0769	:	SGADTAKCGIHSMFPLHLAALNAHSDCCRKLLSSGQKYSIVSLESNEHVLSAGFEIDTPD	:	420
AL133087	:	SGADTAKCGIHSMFPLHLAALNAHSDCCRKLLSSGQKYSIVSLESNEHVLSAGFEIDTPD	:	109
ANH0769	:	KFGRTCLHAAAAGGNVECIKLLQSSGADFHKKDKCGRTPLHYAAANCHFHCIETLVTTGA	:	480
AL133087	:	KFGRTCLHAAAAGGNVECIKLLQSSGADFHKKDKCGRTPLHYAAANCHFHCIETLVTTGA	:	169
ANH0769	:	NVNETDDWGRTALHYAAASDMDRNKTILGNAHDNSEELERARELKEKEATLCLEFLLQND	:	540
AL133087	:	NVNETDDWGRTALHYAAASDMDRNKTILGNAHDNSEELERARELKEKEATLCLEFLLQND	:	229
ANH0769	:	ANPSIRDKEGYNSIHYAAAYGHRQCLELLLERTNSGFEESSGATKSPHLAAAYNGHHQA	:	600
AL133087	:	ANPSIRDKEGYNSIHYAAAYGHRQCLELLLERTNSGFEESSGATKSPHLAAAYNGHHQA	:	289
ANH0769	:	LEVLLQSLVDLDIRDEKGR TALDLAAFKGHTECVEALINQGASIFVKDNVTKRTPLHASV	:	660
AL133087	:	LEVLLQSLVDLDIRDEKGR TALDLAAFKGHTECVEALINQGASIFVKDNVTKRTPLHASV	:	349
ANH0769	:	INGHTLCLRLLEIADNPEAVDVKDAKGQTPLMLAVAYGHIDAVSLLEKEANVDTV DII	:	720
AL133087	:	INGHTLCLRLLEIADNPEAVDVKDAKGQTPLMLAVAYGHIDAVSLLEKEANVDTV DII	:	409

FIG. 12A

		*	740	*	760	*	780	
ANH0769	:	GCTALHRGIMTGHEECVQMLLEQEVSI LCKDSRGRTPLHYAAARGHATWLSELLQMAISE						: 780
AL133087	:	GCTALHRGIMTGHEECVQMLLEQEVSI LCKDSRGRTPLHYAAARGHATWLSELLQMAISE						: 469

		*	800	*	820	*	840	
ANH0769	:	EDCCFKDNQGYTPLHWACYNGNENCIEVL LEQKCFRKFIGNPFTPLHCAIINDHGNCASI						: 840
AL133087	:	EDCCFKDNQGYTPLHWACYNGNENCIEVL LEQKCFRKFIGNPFTPLHCAIINDHGNCASI						: 529

		*	860	*	880	*	900	
ANH0769	:	LLGAIDSSIVSCRDDKGRTP LHAAAFADHVECLQLLLRHSAPVNAVDNSGKTALMMAAEN						: 900
AL133087	:	LLGAIDSSIVSCRDDKGRTP LHAAAFADHVECLQLLLRHSAPVNAVDNSGKTALMMAAEN						: 589

		*	920	*	940	*	960	
ANH0769	:	GQAGAVDILVNSAQADLT VKDKDLNTPLHLACSKGHEKCALLILDKIQDESLINEKNNAL						: 960
AL133087	:	GQAGAVDILVNSAQADLT VKDKDLNTPLHLACSKGHEKCALLILDKIQDESLINEKNNAL						: 649

		*	980	*				
ANH0769	:	QTP LHVAAR NGLKVVVEELLAKGACVLAVDENG C				:	994	
AL133087	:	QTP LHVAAR NGLKVVVEELLAKGACVLAVDENG C				:	683	

FIG. 12B

		*	20	*	40	*	
ANH0668	:	MHQTYSRHCRPEESTFSAAMTTMOGMEQAMPGAGPGVPOLGNMAVIHSHL					: 50
XM_015539	:	MHQTYSRHCRPEESTFSAAMTTMOGMEQAMPGAGPGVPOLGNMAVIHSHL					: 50
		60	*	80	*	100	
ANH0668	:	WKGLQEKFLKGEPKVLGVVQILTALMSLSMGITMMCMASNTYGSNPISVY					: 100
XM_015539	:	WKGLQEKFLKGEPKVLGVVQILTALMSLSMGITMMCMASNTYGSNPISVY					: 100
		*	120	*	140	*	
ANH0668	:	IGYTIWGSVMFIISGSLSIAAGIRTTKGL					: 129
XM_015539	:	IGYTIWGSVMFIISGSLSIAAGIRTTKGL					: 150
		160	*	180	*	200	
ANH0668	:	GLDGMVLLLSVLEFCIAV					: 147
XM_015539	:	GLDGMVLLLSVLEFCIAV					: 200
		*	220	*			
ANH0668	:	SLSAFGCKVLCCTPGGVVLILPSHSHMAETASPTPLNEV					: 186
XM_015539	:	SLSAFGCKVLCCTPGGVVLILPSHSHMAETASPTPLNEV					: 239

FIG. 14

ANH0757	:	MPQPSVSGMDPPEGDAERSHTPEQEMMSTDLFANSSDPDEMYETDREMNYQONPRDNEI	:	60
XM_087631	:	-----	:	-
ANH0757	:	SHEDCKLTENTHPSRTQWEDNEGATFSNWECOWDTSYCEBHWGAKKHSCEDIWGTQVQPCF	:	120
XM_087631	:	-----	:	-
ANH0757	:	DDSSRYQDFEYVSKRPLFAQFNSEPSOSVSDSPFAPDSFASVKONRPPSSSPCKKGLST	:	180
XM_087631	:	-----	:	-
ANH0757	:	RAAPVCSKLTQAEVPLSDGVOKASKRPPSSQIMVKGFTNMHNEKVNEHVEGCKDYAKKAKV	:	240
XM_087631	:	-----	:	-
ANH0757	:	KENPVQOSRPLTSQIRDAAKENTCYCGAVAKROEKRGMLEPQGHATPAIPFKLQGLNLI	:	300
XM_087631	:	-----	:	-
ANH0757	:	SPLEQEGPGSLVAGSSSTLSACTSVSDSSOKKEEHNYSTEVSDNEGEQPTKCSPEDEED	:	360
XM_087631	:	-----	:	-
ANH0757	:	EDVDDEDDHDEGFGSEHEESENEEEEEEEOYEDDKDDDISDTFSEPGYENDSVEDLKEV	:	420
XM_087631	:	-----	:	-
ANH0757	:	TSISSKRGKRRVETVASEQIMPSSOQERMLRPSEWNRDTLPSNMYQKNGLHHGKYAVKKS	:	480
XM_087631	:	-----MLRPSEWNRDTLPSNMYQKNGLHHGKYAVKKS	:	32
ANH0757	:	RRTDVEDLTPNPKLLQIGNELRKLNKVISDLTPVSELPLTARPRSKEKNQDNRACRI	:	540
XM_087631	:	RRTDVEDLTPNPKLLQIGNELRKLNKVISDLTPVSELPLTARPRSKEKNSWLPILVG-	:	91
ANH0757	:	KKPAOYEANKYKRGQINREAFONHEEVINSIKQSLVARYONPRDERGPNMGQGGPESIAKDI	:	600
XM_087631	:	-----	:	-
ANH0757	:	IGFVAGQTSLEVNQVSEKTAFCNPTGGFVGGIRRTSKY	:	639
XM_087631	:	-----	:	-

FIG. 15

		*	20	*	40	*	60	
ANH0687A	:	MSDTRRRVKVYTLNEDRQWDDRGTGHVSSTYVEELKGMSLLVRAESDGSLLLESKINPNT						: 60
ANH0687B	:	MSDTRRRVKVYTLNEDRQWDDRGTGHVSSTYVEELKGMSLLVRAESDGSLLLESKINPNT						: 60
XM_048092	:	MSDTRRRVKVYTLNEDRQWDDRGTGHVSSTYVEELKGMSLLVRAESDGSLLLESKINPNT						: 60

		*	80	*	100	*	120	
ANH0687A	:	AYOKQODTLIVWSEAENYDLALSFOEKAGCDEIWEKICQ-----						: 99
ANH0687B	:	AYOKQODTLIVWSEAENYDLALSFOEKAGCDEIWEKICQVGGKDPSEVVTQDLIDSEEEE						: 120
XM_048092	:	AYOKQODTLIVWSEAENYDLALSFOEKAGCDEIWEKICQVGGKDPSEVVTQDLIDSEEEE						: 120

		*	140	*	160	*	180	
ANH0687A	:	-----						: -
ANH0687B	:	RFEEMPETSHLIDLRITCELNKLLEETADIVTSVLSSPIPREKLALADENEGYIKKLLQLEFC						: 180
XM_048092	:	RFEEMPETSHLIDLRITCELNKLLEETADIVTSVLSSPIPREKLALALADENEGYIKKLLQLEFC						: 180

		*	200	*	220	*	240	
ANH0687A	:	-----						: -
ANH0687B	:	ACENLENTGELHHLVETIIRGLIFLNKATLEEVMSDECIIMDVVGCLEYDPALAQPKHRE						: 240
XM_048092	:	ACENLENTGELHHLVETIIRGLIFLNKATLEEVMSDECIIMDVVGCLEYDPALAQPKHRE						: 240

		*	260	*	280	*	300	
ANH0687A	:	-----						: -
ANH0687B	:	ELTKTAKEKEVLELTDSELROKIHQTYRVOYIQDILPTPSVEEENFLSTLTSELEFNKV						: 300
XM_048092	:	ELTKTAKEKEVLELTDSELROKIHQTYRVOYIQDILPTPSVEEENFLSTLTSELEFNKV						: 300

		*	320	*	340	*	360	
ANH0687A	:	-----EDEKFLSEVFAQLTDEATDDDKRRELNVNFFKEFCAFSQTLOPQNRDAFFKTLA						: 152
ANH0687B	:	ELVSMLEDEKFLSEVFAQLTDEATDDDKRRELNVNFFKEFCAFSQTLOPQNRDAFFKTLA						: 360
XM_048092	:	ELVSMLEDEKFLSEVFAQLTDEATDDDKRRELNVNFFKEFCAFSQTLOPQNRDAFFKTLA						: 360

		*	380	*	400	*	420	
ANH0687A	:	KLGILPALEIVMGMDLQVRSAAITDIFSYLVEFSPSMVREFVMQEAQQSDDILLINVVI						: 212
ANH0687B	:	KLGILPALEIVMGMDLQVRSAAITDIFSYLVEFSPSMVREFVMQEAQQSDDILLINVVI						: 420
XM_048092	:	KLGILPALEIVMGMDLQVRSAAITDIFSYLVEFSPSMVREFVMQEAQQSDDILLINVVI						: 420

		*	440	*	460	*	480	
ANH0687A	:	EQMICDTPDELGGAVQLMGLLRTLIDPENMLATTNKTEKSEFLNFFYNHCHMVLTAPLLT						: 272
ANH0687B	:	EQMICDTPDELGGAVQLMGLLRTLIDPENMLATTNKTEKSEFLNFFYNHCHMVLTAPLLT						: 480
XM_048092	:	EQMICDTPDELGGAVQLMGLLRTLIDPENMLATTNKTEKSEFLNFFYNHCHMVLTAPLLT						: 480

		*	500	*	520	*	540	
ANH0687A	:	NTSEDKCEKDEFLKHRYRSWSEICTPSHSHSHSTPSSSISQDNIVGSNKNNTICPDNYQT						: 332
ANH0687B	:	NTSEDKCEKD-----NIVGSNKNNTICPDNYQT						: 508
XM_048092	:	NTSEDKCEKDEFLKHRYRSWSEICTPSHSHSHSTPSSSISQDNIVGSNKNNTICPDNYQT						: 540

FIG. 16A

		*	560	*	580	*	600	
ANH0687A	:	AQLLALILELLTFCVEHHTYHIKKNYIMNKDLLRRVLVLMNSKHTFLALCALRFMRRIIGL						: 392
ANH0687B	:	AQLLALILELLTFCVEHHTYHIKKNYIMNKDLLRRVLVLMNSKHTFLALCALRFMRRIIGL						: 568
XM_048092	:	AQLLALILELLTFCVEHHTYHIKKNYIMNKDLLRRVLVLMNSKHTFLALCALRFMRRIIGL						: 600

		*	620	*	640	*	660	
ANH0687A	:	KDEFYNRYITKGNLFEPVINALLDNGTRYNLLNSAVIELEEFIRVEDIKSLTAHIVENFY						: 452
ANH0687B	:	KDEFYNRYITKGNLFEPVINALLDNGTRYNLLNSAVIELEEFIRVEDIKSLTAHIVENFY						: 628
XM_048092	:	KDEFYNRYITKGNLFEPVINALLDNGTRYNLLNSAVIELEEFIRVEDIKSLTAHIVENFY						: 660

		*	680	*	700	*	720	
ANH0687A	:	KALESIEYVQTFKGLKTKYEQEKDRQNOKLNSVPSILRSNRFRRDAKALEEDEEMWFNED						: 512
ANH0687B	:	KALESIEYVQTFKGLKTKYEQEKDRQNOKLNSVPSILRSNRFRRDAKALEEDEEMWFNED						: 688
XM_048092	:	KALESIEYVQTFKGLKTKYEQEKDRQNOKLNSVPSILRSNRFRRDAKALEEDEEMWFNED						: 720

		*	740	*	760	*	780	
ANH0687A	:	EEEEGKAVVAPVEKPKPEDDFPDNYEKFMETKKAKESDKENLPKRTSPGGGKFTFSA						: 572
ANH0687B	:	EEEEGKAVVAPVEKPKPEDDFPDNYEKFMETKKAKESDKENLPKRTSPGGGKFTFSA						: 748
XM_048092	:	EEEEGKAVVAPVEKPKPEDDFPDNYEKFMETKKAKESDKENLPKRTSPGGGKFTFSA						: 780

		*	800	*	820	*	840	
ANH0687A	:	SAANGTNSKSVVAQIPPATSNNGSSSKTTNLPSTVTATKGSVLVGLVDYPDDEEEDEEEESS						: 632
ANH0687B	:	SAANGTNSKSVVAQIPPATSNNGSSSKTTNLPSTVTATKGSVLVGLVDYPDDEEEDEEEESS						: 808
XM_048092	:	SAANGTNSKSVVAQIPPATSNNGSSSKTTNLPSTVTATKGSVLVGLVDYPDDEEEDEEEESS						: 840

ANH0687A	:	PRKRPRLGS	:	641
ANH0687B	:	PRKRPRLGS	:	817
XM_048092	:	PRKRPRLGS	:	849

FIG. 16B

			*	20	*	40	*	
ANH0693	:	MOREPKQLEASLDALLSOVADLKNSIGSEHCKLENEYCRITWPSVLDSEFA	:	50				
NM_052877	:	-----	:	-				
		60	*	80	*	100		
ANH0693	:	ELSGQLNLTINKVLEKHEKLPTEFNQVAPPLVLSPPDRDEDEMR	:	100				
NM_052877	:	-----MSCGQTEGRVPVF	:	13				
		*	120	*	140	*		
ANH0693	:	SHEVVDPHLRTKPDPEVEEQEKQLTTDAARIGADAAQKQIQSLNKMCSNL	:	150				
NM_052877	:	SHEVVDPHLRTKPDPEVEEQEKQLTTDAARIGADAAQKQIQSLNKMCSNL	:	63				
		160	*	180	*	200		
ANH0693	:	LEKISKEERESESGLRPNKQTFNPTDTNALVAAVAFGKGLSNWRPSGSS	:	200				
NM_052877	:	LEKISKEERESESGLRPNKQTFNPTDTNALVAAVAFGKGLSNWRPSGSS	:	113				
		*	220	*	240	*		
ANH0693	:	GPGQAGQPGAGTILAGTSGLQQVQMAGAPSQQQPMLSGVQMAQAGQPGKM	:	250				
NM_052877	:	GPGQAGQPGAGTILAGTSGLQQVQMAGAPSQQQPMLSGVQMAQAGQPGKM	:	163				
		260	*	280	*	300		
ANH0693	:	PSGIKTNIKSASMHPYOR-----	:	268				
NM_052877	:	PSGIKTNIKSASMHPYORPSCGELTAPLERRKVKLLGQEGCKNAHLOT	:	213				
ANH0693	:	- : -						
NM_052877	:	W : 214						

FIG. 17

			*	20	*	40	*	60	
ANH0122A :	MSFPPHLNRPPMGIPALPPGI	PPPGFPPGFP	PPVPPGTPMIPV	PMSIMAPAPT	VLVPTVSM	:	60		
ANH0122B :	MSFPPHLNRPPMGIPALPPGI	PPPGFPPGFP	PPVPPGTPMIPV	PMSIMAPAPT	VLVPTVSM	:	60		
AAF19255 :	-----	-----	-----	-----	-----	:	1		
AAC97961 :	-----	-----	-----	-----	-----	:	-		

			*	80	*	100	*	120	
ANH0122A :	VGKHLGARKDHPGLKAKEND	ENCGPTT	TVFVGNISEKASDMLIP	QLLAKCGLVLSWKRVC	:	120			
ANH0122B :	VGKHLGARKDHPGLKAKEND	ENCGPTT	TVFVGNISEKASDMLIP	QLLAKCGLVLSWKRVC	:	120			
AAF19255 :	VGKHLGARKDHPGLKAKEND	ENCGPTT	TVFVGNISEKASDMLIP	QLLAKCGLVLSWKRVC	:	61			
AAC97961 :	-----	-----	-----	KCGLVLSWKRVC	:	12			

			*	140	*	160	*	180	
ANH0122A :	GASGKLQAFGFCEYKEPEST	LRALRL	LLHDLQIG	EKKLVKVD	AKTQAQ	LD	EWKAKKKASN	:	180
ANH0122B :	GASGKLQAFGFCEYKEPEST	LRALRL	LLHDLQIG	EKKLVKVD	AKTQAQ	LD	EWKAKKKASN	:	180
AAF19255 :	GASGKLQAFGFCEYKEPEST	LRALRL	LLHDLQIG	EKKLVKVD	AKTQAQ	LD	EWKAKKKASN	:	121
AAC97961 :	GASGKLQAFGFCEYKEPEST	LRALRL	LLHDLQIG	EKKLVKVD	AKTQAQ	LD	EWKAKKKASN	:	72

			*	200	*	220	*	240	
ANH0122A :	GNARPETVTNDDEEALDEET	KRRDQMI	KGAEVL	IREYSSEL	NAPSQES	DSHP	PRKKKKKEK	:	240
ANH0122B :	GNARPETVTNDDEEALDEET	KRRDQMI	KGAEVL	IREYSSEL	NAPSQES	DSHP	PRKKKKKEK	:	240
AAF19255 :	GNARPETVTNDDEEALDEET	KRRDQMI	KGAEVL	IREYSSEL	NAPSQES	DSHP	PRKKKKKEK	:	181
AAC97961 :	GNARPETVTNDDEEALDEET	KRRDQMI	KGAEVL	IREYSSEL	NAPSQES	DSHP	PRKKKKKEK	:	132

			*	260	*	280	*	300	
ANH0122A :	KEDIFRRFPVAPLIPYPLIT	KEDINAI	EEMEDK	RDLISRE	ISKFRD	THKKLE	EEKGKKEK	:	300
ANH0122B :	KEDIFRRFPVAPLIPYPLIT	KEDINAI	EEMEDK	RDLISRE	ISKFRD	THKKLE	EEKGKKEK	:	300
AAF19255 :	KEDIFRRFPVAPLIPYPLIT	KEDINAI	EEMEDK	RDLISRE	ISKFRD	THKKLE	EEKGKKEK	:	241
AAC97961 :	KEDIFRRFPVAPLIPYPLIT	KEDINAI	EEMEDK	RDLISRE	ISKFRD	THKKLE	EEKGKKEK	:	192

			*	320	*	340	*	360	
ANH0122A :	ERQIEKERRERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	:	360
ANH0122B :	ERQIEKERRERERERERER	ERERERERERERERER	-----	-----	-----	-----	-----	:	327
AAF19255 :	ERQIEKERRERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	:	301
AAC97961 :	ERQIEKERRERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	:	252

			*	380	*	400	*	420	
ANH0122A :	ERDRERDRDRDRERSSDR	NKDRSR	SREKSR	DRERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	:	420
ANH0122B :	-----	-----	-----	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	:	356
AAF19255 :	ERDRERDRDRDRERSSDR	NKDRSR	SREKSR	DRERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	:	361
AAC97961 :	ERDRERDRDRDRERSSDR	NKDRSR	SREKSR	DRERERERERERERER	ERERERERERERERER	ERERERERERERERER	ERERERERERERERER	:	312

			*	440	*	460	*	480	
ANH0122A :	REREREKDKKRDREED	EEDAY	ERRKLER	KLREKA	AYQERL	KNWEI	RERKKTREYEKEAE	:	480
ANH0122B :	REREREKDKKRDREED	EEDAY	ERRKLER	KLREKA	AYQERL	KNWEI	RERKKTREYEKEAE	:	416
AAF19255 :	REREREKDKKRDREED	EEDAY	ERRKLER	KLREKA	AYQERL	KNWEI	RERKKTREYEKEAE	:	421
AAC97961 :	REREREKDKKRDREED	EEDAY	ERRKLER	KLREKA	AYQERL	KNWEI	RERKKTREYEKEAE	:	372

FIG. 18A

	*	500	*	520	*	540	
ANH0122A :	REEERRREMAKEAKRLKEFLEDYDDDRDDPKYYRGSALQKRLRDREKEMEADERDRKREK						: 540
ANH0122B :	REEERRREMAKEAKRLKEFLEDYDDDRDDPKYYRGSALQKRLRDREKEMEADERDRKREK						: 476
AAF19255 :	REEERRREMAKEAKRLKEFLEDYDDDRDDPKYYRGSALQKRLRDREKEMEADERDRKREK						: 481
AAC97961 :	REEERRREMAKEAKRLKEFLEDYDDDRDDPKYYRGSALQKRLRDREKEMEADERDRKREK						: 432

	*	560	*	580	*	600	
ANH0122A :	EELEEIRQRLLAEGHPDPAELQRMQEAEARRRQPOIKQEPESEEEEEEKQEKEEKREEF						: 600
ANH0122B :	EELEEIRQRLLAEGHPDPAELQRMQEAEARRRQPOIKQEPESEEEEEEKQEKEEKREEF						: 536
AAF19255 :	EELEEIRQRLLAEGHPDPAELQRMQEAEARRRQPOIKQEPESEEEEEEKQEKEEKREEF						: 541
AAC97961 :	EELEEIRQRLLAEGHPDPAELQRMQEAEARRRQPOIKQEPESEEEEEEKQEKEEKREEF						: 492

	*	620	*	640	*	660	
ANH0122A :	MEEEEEPEQKPCCLKPTLRPISSAPSVSSASGNATPNTPGDESPCGIIPHENS PDQQQPE						: 660
ANH0122B :	MEEEEEPEQKPCCLKPTLRPISSAPSVSSASGNATPNTPGDESPCGIIPHENS PDQQQPE						: 596
AAF19255 :	MEEEEEPEQKPCCLKPTLRPISSAPSVSSASGNATPNTPGDESPCGIIPHENS PDQQQPE						: 601
AAC97961 :	MEEEEEPEQKPCCLKPTLRPISSAPSVSSASGNATPNTPGDESPCGIIPHENS PDQQQPE						: 552

	*	680	*	700	*	720	
ANH0122A :	EHRPKIGLSLKL GASNSPGQPN SVKRKKLPVDSVFNKFEDESDDDVPRKRKLVPLDYGED						: 720
ANH0122B :	EHRPKIGLSLKL GASNSPGQPN SVKRKKLPVDSVFNKFEDESDDDVPRKRKLVPLDYGED						: 656
AAF19255 :	EHRPKIGLSLKL GASNSPGQPN SVKRKKLPVDSVFNKFEDESDDDVPRKRKLVPLDYGED						: 661
AAC97961 :	EHRPKIGLSLKL GASNSPGQPN SVKRKKLPVDSVFNKFEDESDDDVPRKRKLVPLDYGED						: 612

	*	740	*	760	*	780	
ANH0122A :	DKNATKGTVNTEEKRRKHISLIEKIPTAKPELFAYPLDWSIVDSILMERRIRPWINKKII						: 780
ANH0122B :	DKNATKGTVNTEEKRRKHISLIEKIPTAKPELFAYPLDWSIVDSILMERRIRPWINKKII						: 716
AAF19255 :	DKNATKGTVNTEEKRRKHISLIEKIPTAKPELFAYPLDWSIVDSILMERRIRPWINKKII						: 721
AAC97961 :	DKNATKGTVNTEEKRRKHISLIEKIPTAKPELFAYPLDWSIVDSILMERRIRPWINKKII						: 672

	*	800	*	820	*	840	
ANH0122A :	EYIGEEEATLVDFVCSKVMAHSSPQSILDDVAMVLD EEA EVFIVKMWRLLIYETEAKKIG						: 840
ANH0122B :	EYIGEEEATLVDFVCSKVMAHSSPQSILDDVAMVLD EEA EVFIVKMWRLLIYETEAKKIG						: 776
AAF19255 :	EYIGEEEATLVDFVCSKVMAHSSPQSILDDVAMVLD EEA EVFIVKMWRLLIYETEAKKIG						: 781
AAC97961 :	EYIGEEEATLVDFVCSKVMAHSSPQSILDDVAMVLD EEA EVFIVKMWRLLIYETEAKKIG						: 732

ANH0122A :	LVK	: 843
ANH0122B :	LVK	: 779
AAF19255 :	LVK	: 784
AAC97961 :	LVK	: 735

FIG. 18B

		*	740	*	760	*	780	
ANH0316	:	APTPKKPAPKELAPTTTKEPTSTTCDKPAPTPKGTAPTPKKEPAPTPKKEPAPTPKG					:	696
XM_001738	:	APTPKKPAPKELAPTTTKEPTSTTCDKPAPTPKGTAPTPKKEPAPTPKKEPAPTPKG					:	780
		*	800	*	820	*	840	
ANH0316	:	TAPTTLKEPAPTPPKKAPKELAPTTTKGPTSTTS DKPAPTPKETAPTPKKEPAPTPK					:	756
XM_001738	:	TAPTTLKEPAPTPPKKAPKELAPTTTKGPTSTTS DKPAPTPKETAPTPKKEPAPTPK					:	840
		*	860	*	880	*	900	
ANH0316	:	KPAPTPETPPPTTSEVSTPTTKEPTTIHKSPDESTPELSAEPKALENSPKEPGVPT					:	816
XM_001738	:	KPAPTPETPPPTTSEVSTPTTKEPTTIHKSPDESTPELSAEPKALENSPKEPGVPT					:	900
		*	920	*	940	*	960	
ANH0316	:	TKTPAATKPEMTTAKDKTTERDLRTPETTTAAPKMTKETATTTEKTTESKITATTTQV					:	876
XM_001738	:	TKTPAATKPEMTTAKDKTTERDLRTPETTTAAPKMTKETATTTEKTTESKITATTTQV					:	960
		*	980	*	1000	*	1020	
ANH0316	:	TSTTTQDTPFKITTLKTTTLAPKVTTTKKTTITTEIMNKPEETAKPKDRATNSKATTPK					:	936
XM_001738	:	TSTTTQDTPFKITTLKTTTLAPKVTTTKKTTITTEIMNKPEETAKPKDRATNSKATTPK					:	1020
		*	1040	*	1060	*	1080	
ANH0316	:	PQKPTKAPKKPTSTKKPKTMPVRKPKTTPTPRKMTSTMPELNPTSRIAEAMLQTTTRPN					:	996
XM_001738	:	PQKPTKAPKKPTSTKKPKTMPVRKPKTTPTPRKMTSTMPELNPTSRIAEAMLQTTTRPN					:	1080
		*	1100	*	1120	*	1140	
ANH0316	:	QTPNSKLVEVNPKSEDAGGAEGETPHMLLRPHVFMPEVTPDMDYLPRVPNQGIINPMLS					:	1056
XM_001738	:	QTPNSKLVEVNPKSEDAGGAEGETPHMLLRPHVFMPEVTPDMDYLPRVPNQGIINPMLS					:	1140
		*	1160	*	1180	*	1200	
ANH0316	:	DETNICNGKPV DGLTTLRNGTLVAFRGHYFWMLSPFSPSPARRITEVWGIPSPIDTVFT					:	1116
XM_001738	:	DETNICNGKPV DGLTTLRNGTLVAFRGHYFWMLSPFSPSPARRITEVWGIPSPIDTVFT					:	1200
		*	1220	*	1240	*	1260	
ANH0316	:	RCNCEGKTFFFKDSQYWRFTNDIKDAGYKPKIEKGFGLTGQIVAALSTAKYKNWPESVY					:	1176
XM_001738	:	RCNCEGKTFFFKDSQYWRFTNDIKDAGYKPKIEKGFGLTGQIVAALSTAKYKNWPESVY					:	1260
		*	1280	*	1300	*	1320	
ANH0316	:	FFKRGGSIQQYIYKQEPVQKCPGRRPALNYPVYGETTQVRRRRFERAIGPSQHTIRIQY					:	1236
XM_001738	:	FFKRGGSIQQYIYKQEPVQKCPGRRPALNYPVYGETTQVRRRRFERAIGPSQHTIRIQY					:	1320
		*	1340	*	1360	*	1380	
ANH0316	:	SPARLAYQDKGVLHNEVKVSILWRGLPNVVTSAISLENIRKPDGYDYAFSKDQYYNIDV					:	1296
XM_001738	:	SPARLAYQDKGVLHNEVKVSILWRGLPNVVTSAISLENIRKPDGYDYAFSKDQYYNIDV					:	1380
		*	1400					
ANH0316	:	PSRTARAITTRSGQTL SKVWYNCF					:	1320
XM_001738	:	PSRTARAITTRSGQTL SKVWYNCF					:	1404

FIG. 19B